

# DOE CPP Upload Requirements including DID



| field name                    | req'd | description  | JSON data type  |
|-------------------------------|-------|--|---|
|                               |       | unique field identifier (primary & calculated)   | example   |
| <b>DS00 header</b>            |       |  |   |
| description                   |       | <p>This JSON data submission should be populated with the project (not contract) data. A valid JSON file contains the header data documented on this page, and one data set specified in the following pages.</p> <p>A complete monthly PARS submission consists of several JSON files inside a zip file, and should include DS01 to DS07, and optionally include DS08 to DS22. A correctly formatted PARS JSON Upload should consist of a zip file named with the PARSID and CPP status date, for example: 1026_2023-07-28.zip. This zip file should contain JSON files with the DS number and title, for example: DS01_WBS.json DS07_IPMR_header.json. Within each JSON file, PARSID and CPP_status_date should be identical, and match the zip file name.</p> <p>Technical documentation of the PARS JSON Schema format <a href="#">can be found here</a>. Valid data sets documented in this DID include:</p> <ul style="list-style-type: none"> <li>• DS00 header</li> <li>• DS01 WBS</li> <li>• DS02 OBS</li> <li>• DS03 cost</li> <li>• DS04 schedule</li> <li>• DS05 schedule_logic</li> <li>• DS06 schedule_resources</li> <li>• DS07 IPMR_header</li> <li>• DS08 WAD</li> <li>• DS09 CC_log</li> <li>• DS10 CC_log_detail</li> <li>• DS11 variance</li> <li>• DS12 variance_CAL</li> <li>• DS13 subK</li> <li>• DS14 HDV_CI</li> <li>• DS15 risk_register</li> <li>• DS16 risk_register_tasks</li> <li>• DS17 WBS_EU</li> <li>• DS18 schedule_EU</li> <li>• DS19 schedule_calendar_std</li> <li>• DS20 schedule_calendar_exception</li> <li>• DS21 rates</li> <li>• DS22 financial_calendar</li> </ul> |   |
| <b><u>PARS_ID</u></b>         | X     | <p>PARS identifier for the project for which data is submitted.</p> <p>PARS_ID</p>   | <p>string, maxLength: 4, numerical</p> <p>3021</p>  |
| <b><u>CPP_status_date</u></b> | X     | <p>Contractor data-as-of-date. Align with DS22.</p> <p>CPP_status_date</p> <p>CPP-1.CPP_status_date = prior CPP_status_date<br/> CPP-2.CPP_status_date = prior 2nd CPP_status_date<br/> CPP-5.CPP_status_date = prior 5th CPP_status_date<br/> CPP+1.CPP_status_date = next CPP_status_date<br/> CPP-12.CPP_status_date = prior 12th CPP_status_date</p>   | <p>string, must be date as YYYY-MM-DD</p> <p>2022-08-21</p>   |
| <b><u>\$schema</u></b>        | X     | <p>Specify the version of the JSON schema against which this data submission was prepared.</p> <p>\$schema</p>   | <p>string, URL of PARS JSON Schema Version</p> <p><a href="https://json.pars.doe.gov/pars-cpp-json-schema-v5-0-0.json">https://json.pars.doe.gov/pars-cpp-json-schema-v5-0-0.json</a></p> |
| <b>revision</b>               |       | <p>v02.00, 2022-08-19, PM-30, Melvin Frank, Updated for 1st release.<br/> v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br/> v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br/> v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br/> v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br/> v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release.</p>  |   |

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|----------------------|-------|--|---|
|                      |       | unique field identifier (primary & calculated)   | example   |
| DS01 WBS             |       |  |   |
| description          |       | <p>This data set should be populated with the project's contractor WBS identifiers for the entire span of the project (not the contract).<br/>           Provide the contractor WBS identifiers in a hierarchical structure from the project (not the contract) level to the CA WBS level and to the WP and PP WBS levels.<br/>           The data set should include all WBS identifiers in all other DSs in the same format.<br/>           The data should align with dollarized RAM identifying intersections of CA WBS and OBS types.</p>   |   |
| <b>WBS_ID</b>        | X     | <p>Unique contractor WBS identifier.</p> <p>DS01.WBS_ID</p>  | <p>string, maxLength: 50</p> <p>W001.42.27.02</p>                       |
| <b>title</b>         | X     | <p>Unique WBS identifier title.</p> <p>DS01.title</p>  | <p>string, maxLength: 255</p> <p>Testing/Surveillance Improvements</p>  |
| <b>level</b>         | X     | <p>WBS identifier hierarchical level relative to the project.<br/>           The data is &gt; 0, starting with 1 and increments by 1.<br/>           The dataset should have only one level 1 WBS identifier that represents the entire project.</p> <p>DS01.level</p>   | <p>integer, min. value: 1, max. value: 20</p>                           |
| <b>parent_WBS_ID</b> |       | <p>WBS identifier of the immediate hierarchical parent.<br/>           Required unless DS01.level = 1.</p> <p>DS01.parent_WBS_ID</p>   | <p>string, maxLength: 150</p> <p>1.42.27</p>                            |
| <b>type</b>          | X     | <p>WBS type selection:</p> <ul style="list-style-type: none"> <li>• WBS = summary level</li> <li>• SLPP = summary level planning package (assigned to project manager not to a CAM; thus, is not a CA and does not have any WP, PP, or lower DS01.WBS_level</li> <li>• CA = control account</li> <li>• PP = planning package</li> <li>• WP = work package</li> </ul> <p>MR, UB, contingency, and SM tasks should be associated with DS01.type = WBS.<br/>           Should be set to PP or SLPP if DS03.EVT = K.<br/>           BCWS, BCWP, ACWP, and ETC are roll-ups where DS01.type = CA or WBS.<br/>           BCWS, BCWP, ACWP, and ETC are accounted for where DS01.type = WP or PP.<br/>           While not preferred, ACWP may be collected at the CA level, i.e. where DS01.type = CA. However, the level ACWP is collected must be uniform across the dataset, i.e., all at CA or all at WP.</p> <p>DS01.type</p> | <p>string, select from: WBS, SLPP, CA, PP, WP</p>                       |
| <b>OBS_ID</b>        |       | <p>Unique contractor OBS identifier that should be aligned with the associated CA and DS02.OBS.<br/>           If DS01.type is above the CA, associate to the higher level OBS identifier.</p> <p>DS01.OBS_ID</p>  | <p>string, maxLength: 50</p> <p>SC.CMCS.1.4.1</p>                       |
| <b>CAM</b>           |       | <p>CAM selection:</p> <ul style="list-style-type: none"> <li>• CAM name for DS01.type = CA, WP, PP.</li> <li>• Project manager name for DS01.type = SLPP.</li> <li>• Project or appropriate manager name for DS01.type = WBS.</li> </ul> <p>Format: [last name] space [first name] space [middle initial, optional].</p> <p>DS01.CAM</p>   | <p>string, maxLength: 100</p> <p>Whitney Zachary B</p>                  |
| <b>WPM</b>           |       | <p>WP manager.<br/>           Required if DS01.type is WP or PP.<br/>           Format: [last name] space [first name] space [middle initial, optional].</p> <p>DS01.WPM</p>   | <p>string, maxLength: 100</p> <p>Gutierrez Jose</p>                     |
| <b>subproject_ID</b> |       | <p>Unique subproject identifier aligned with DS04.subproject_ID.<br/>           Required if DS01.WBS_external = Y.</p> <p>DS01.subproject_ID</p>   | <p>string, maxLength: 50</p>  |
| <b>IMP_ID</b>        |       | <p>Unique IMP identifier.</p> <p>DS01.IMP_ID</p>   | <p>string, maxLength: 50</p>  |
| <b>external</b>      | X     | <p>WBS is external to the project (Y or N).</p> <p>DS01.external</p>   | <p>string, select from: Y, N</p>  |
| <b>exit_criteria</b> |       | <p>Criteria to determine completion of the WBS scope.<br/>           Required if DS01.type = CA or SLPP.<br/>           Provide if available for DS01.type = WBS, WP, or PP.</p> <p>DS01.exit_criteria</p>   | <p>string, maxLength: 3000</p>  |
| <b>narrative</b>     | X     | <p>WBS identifier description from the EVMS cost tool; the scope statement or a short paragraph based on the WBS dictionary and aligned with DS08.narrative.<br/>           Align with DS08.narrative.</p> <p>DS01.narrative</p>   | <p>string, maxLength: 3000</p> <p>Testing/Surveillance Improvements</p> |
| <b>K_ref</b>         |       | <p>Contractual basis: contract number, section(s), and paragraph(s).<br/>           Align with DS07.K_ID.</p> <p>DS01.K_ref</p>  | <p>string, maxLength: 3000</p>  |

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|            |       | unique field identifier (primary & calculated)   | example   |
| BWC_ID     |       | <p>Unique base work construct identifier.</p> <p>Level 3 BWC where DS01.type = SLPP, WP, or PP.</p> <p>Level 2 and 3 BWC:</p> <ul style="list-style-type: none"> <li>• W.01 support <ul style="list-style-type: none"> <li>• W.01.01 project</li> <li>• W.01.02 closeout</li> <li>• W.01.03 operations</li> </ul> </li> <li>• W.02 engineering <ul style="list-style-type: none"> <li>• W.02.01 R&amp;D</li> <li>• W.02.02 conceptual</li> <li>• W.02.03 preliminary</li> <li>• W.02.04 final</li> <li>• W.02.05 general</li> </ul> </li> <li>• W.03 procurement <ul style="list-style-type: none"> <li>• W.03.01 general</li> </ul> </li> <li>• W.04 construction <ul style="list-style-type: none"> <li>• W.04.01 engineering support</li> <li>• W.04.02 demolition</li> <li>• W.04.03 site preparation</li> <li>• W.04.04 construction</li> </ul> </li> <li>• W.05 SU-Cx <ul style="list-style-type: none"> <li>• W.05.01 SU</li> <li>• W.05.02 cold cx</li> <li>• W.05.03 hot cx</li> </ul> </li> </ul> <p>DS01.BWC_ID</p> | string, select from: W.01.01 project, W.01.02 closeout, W.01.03 operations, W.02.01 R&D, W.02.02 conceptual, W.02.03 preliminary, W.02.04 final, W.02.05 general, W.03.01 general, W.04.01 engineering support, W.04.02 demolition, W.04.03 site preparation, W.04.04 construction, W.05.01 SU, W.05.02 cold cx, W.05.03 hot cx |
| revision   |       | <p>v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release</p> <p>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.</p> <p>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.</p> <p>v02.02, 2022-09-01, PARS Support, Minor revisions.</p> <p>v02.10, 2022-10-20, PARS Support, Revisions.</p> <p>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.</p> <p>v03.10, 2022-10-28, PARS Support, Revisions.</p> <p>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.</p> <p>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.</p> <p>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release.</p>  |   |

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|----------------------|-------|--|--|
|                      |       | unique field identifier (primary & calculated)   | example  |
| <b>DS02 OBS</b>      |       |  |  |
| description          |       | This data set should be populated with the project's contractor functionally-based OBS identifiers for the entire span of the project (not the contract). Provide the contractor OBS identifiers in a hierarchical structure from the project level to the CA WBS level. The data should include all OBS identifiers in all other DSs in the same format. The data should align with dollarized RAM identifying intersections of CA WBS and OBS types.   |  |
| <b>OBS_ID</b>        | X     | Unique contractor OBS identifier.<br>DS02.OBS_ID   | string, maxLength: 50<br>MB.FC.4.2.82  |
| <b>title</b>         | X     | Unique OBS identifier title.<br>DS02.title   | string, maxLength: 255<br>Payroll & Benefits Accounting,<br>Workforce Planning |
| <b>level</b>         | X     | OBS identifier hierarchical level relative to the project.<br>The data is > 0, starting with 1 and increments of 1.<br>The data should have only one level 1 OBS identifier, the OBS identifier representing the head of the contractor.<br>DS02.level   | integer, min. value: 1, max. value: 20   |
| <b>parent_OBS_ID</b> |       | OBS identifier of the immediate hierarchical parent.<br>Required unless DS02.level = 1.<br>DS02.parent_OBS_ID  | string, maxLength: 50<br>MB.FC.4.2.82  |
| <b>external</b>      | X     | OBS is external to the project (Y or N).<br>DS02.external  | string, select from: Y, N  |
| <b>narrative</b>     |       | OBS identifier description from the EVMS cost tool.<br>A short paragraph based on the functional OBS.<br>Align with DS08.narrative.<br>DS02.narrative  | string, maxLength: 3000  |
| <b>revision</b>      |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |  |

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| field name               | req'd | description   | JSON data type  |
|--------------------------|-------|---|---|
|                          |       | unique field identifier (primary & calculated)  | example   |
| DS03 cost                |       |   |   |
| description              |       |   |   |
|                          |       | <p>This data set should be populated with the project's contractor EVMS cost tool time-phased data for the entire span of the project (not the contract). Provide the contractor EVMS cost tool time-phased data at the WP and PP WBS level by EOC.</p> <p>The data should be provided at the WP, PP, and SLPP WBS levels only with one period_date/WBS_ID_WP/EOC record; however, provide at CA WBS level for only those CAs where ACWP (DS03.ACWPi_dollars and DS03.ACWPi_units) is reported for entire project.</p>  |   |
| <b>period_date</b>       | X     | <p>Time-phased period end dates.</p> <p>The data should align with the the CPP_status_dates, and not change during the span of the project.</p> <p>DS03.period_date</p>   | <p>string, must be date as YYYY-MM-DD</p> <p>2020-01-01</p>                 |
| <b>WBS_ID_WP</b>         |       | <p>WP or PP WBS identifier if DS01.type = WP or PP.</p> <p>DS03.WBS_ID_WP</p> <p>CPP-1.DS03.WBS_ID_WP = prior CPP_status_date</p>   | <p>string, maxLength: 150</p> <p>1.42.27.2</p>                              |
| <b>WBS_ID_CA</b>         | X     | <p>Unique contractor WBS identifier for following:</p> <ul style="list-style-type: none"> <li>• DS01.type = CA and ACWP is collected at CA level. DS01.WBS_ID_WP is omitted.</li> <li>• DS01.type = SLPP. DS01.WBS_ID_WP is omitted.</li> <li>• DS01.type = CA and associated with DS01.WBS_ID_WP.</li> </ul> <p>DS03.WBS_ID_CA</p> <p>CPP-1.DS03.WBS_ID_CA = prior CPP_status_date</p>   | <p>string, maxLength: 150</p> <p>1.42.27.2</p>                              |
| <b>EOC</b>               | X     | <p>EOC selection:</p> <ul style="list-style-type: none"> <li>• labor</li> <li>• material</li> <li>• subcontract</li> <li>• ODC</li> <li>• indirect (may be used after coordination with PM. To consist only of indirect costs.)</li> </ul> <p>DS03.EOC</p>  | <p>string, select from: labor, material, subcontract, ODC, indirect</p>     |
| <b>EVT</b>               |       | <p>EVT selection that should be aligned with DS04.EVT (provide explanations in DS03.justification_EVT):</p> <ul style="list-style-type: none"> <li>• A = LOE</li> <li>• B = weighted milestones (explain if utilized)</li> <li>• C = percent complete or for use in DS03, discrete (combination of discrete DS03.EVT excluding A, J, K, M, or NA)</li> <li>• D = units complete</li> <li>• E = 50-50</li> <li>• F = 0-100</li> <li>• G = 100-0 (explain if utilized)</li> <li>• H = variation of 50-50 (explain if utilized)</li> <li>• J = apportioned (explain if utilized)</li> <li>• K = planning package (overrides where DS01.type = PP or SLPP)</li> <li>• L = assignment percent complete (explain if utilized)</li> <li>• M = calculated apportionment (explain if utilized)</li> <li>• N = steps (explain if utilized)</li> <li>• O = earned as spent (explain if utilized)</li> <li>• P = percent manual entry (explain if utilized)</li> <li>• NA = only for DS01.type = CA where ACWP is reported for the entire project. Discrete EVTs for metrics consists of B, C, D, E, F, G, H, L, N, O, P. Required if DS01.type = WP, PP, or SLPP.</li> </ul> <p>DS03.EVT</p> | <p>string, select from: A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, NA</p> |
| <b>justification_EVT</b> |       | <p>Justification narrative where DS03.EVT = B, G, H, J, L, M, N, O, or P.</p> <p>DS03.justification_EVT</p>   | <p>string</p>   |
| <b>EVT_J_to_WBS_ID</b>   |       | <p>DS03.WBS_ID_WP apportioned to, if DS03.EVT = J or M.</p> <p>DS03.EVT_J_to_WBS_ID</p>   | <p>string</p>   |
| <b>EVT_J_pct</b>         |       | <p>Percent apportioned, if apportioned from another DS03.WBS_ID_WP.</p> <p>DS03.EVT_J_pct</p>   | <p>number, max. of 2 decimal places</p>                                     |
| <b>BCWSi_dollars</b>     | X     | <p>BCWS incremental (dollars).</p> <p>DS03.BCWSi_dollars</p> <p>DS03.BCWSi = cumulative<br/>DS03.DB = totalRP + 1<br/>CPP-1,DS03.BCWSi_dollars = prior CPP_status_date, next period_date<br/>CPP-1,2.DS03.BCWSi,DB,BCWSi_dollars = prior 1st,2nd CPP_status_date</p>  | <p>number, max. of 2 decimal places</p> <p>11234.09, 355651.29</p>          |
| <b>BCWPI_dollars</b>     | X     | <p>BCWP incremental (dollars).</p> <p>DS03.BCWPI_dollars</p> <p>DS03.BCWPI = cumulative<br/>CPP-1,2.DS03.BCWPI,BCWPI_dollars = prior 1st,2nd CPP_status_date</p>  | <p>number, max. of 2 decimal places</p> <p>11234.09, 355651.29</p>          |

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|----------------|-------|---|---|
| ACWPI_dollars  | X     | ACWP incremental (dollars).<br>DS03.ACWPI_dollars<br>DS03.ACWPC = cumulative<br>CPP-1,2_DS03.ACWPC,ACWPI_dollars = prior 1st,2nd CPP_status_date  | number, max. of 2 decimal places<br>11234.09, 355651.29                           |
| ETCi_dollars   | X     | ETC incremental (dollars).<br>DS03.ETCi_dollars<br>DS03.ETCc = cumulative   | number, max. of 2 decimal places<br>11234.09, 355651.29                           |
| is_indirect    |       | Represents indirect costs only (Y or N)?<br>N if record is direct costs only.<br>Omit this field if costs include both direct and indirect costs.<br>DS03.is_indirect   | string, select from: Y, N   |
| BCWSi_hours    | X     | BCWS incremental (hours) where DS03.EOC = labor only.<br>DS03.BCWSi_hours<br>DS03.DB = total  | number, max. of 2 decimal places<br>128.6, 45.3, 80.75                            |
| BCWPI_hours    | X     | BCWP incremental (hours) where DS03.EOC = labor only.<br>DS03.BCWPI_hours<br>DS03.BCWPC = cumulative  | number, max. of 2 decimal places<br>128.6, 45.3, 80.75                            |
| ACWPI_hours    | X     | ACWP incremental (hours) where DS03.EOC = labor only.<br>DS03.ACWPI_hours   | number, max. of 2 decimal places<br>128.6, 45.3, 80.75                            |
| ETCi_hours     | X     | ETC incremental (hours) where DS03.EOC = labor only.<br>DS03.ETCi_hours   | number, max. of 2 decimal places<br>128.6, 45.3, 80.75                            |
| BCWSi_FTEs     | X     | BCWS incremental (FTE) where DS03.EOC = labor only.<br>DS03.BCWSi_FTEs  | number, max. of 2 decimal places  |
| BCWPI_FTEs     | X     | BCWP incremental (FTE) where DS03.EOC = labor only.<br>DS03.BCWPI_FTEs  | number, max. of 2 decimal places  |
| ACWPI_FTEs     | X     | ACWP incremental (FTE) where DS03.EOC = labor only.<br>DS03.ACWPI_FTEs  | number, max. of 2 decimal places  |
| ETCi_FTEs      | X     | ETC incremental (FTE) where DS03.EOC = labor only.<br>DS03.ETCi_FTEs  | number, max. of 2 decimal places  |
| CV_rpg         | X     | Reprogramming CV. Reprogramming adjustment, cost variance.<br>DS03.CV_rpg   | number, max. of 2 decimal places  |
| SV_rpg         | X     | Reprogramming SV. Reprogramming adjustment, schedule variance.<br>DS03.SV_rpg   | number, max. of 2 decimal places  |
| BAC_rpg        | X     | Reprogramming BAC. Reprogramming adjustment, DB variance.<br>DS03.BAC_rpg   | number, max. of 2 decimal places  |
| CC_ID          |       | Charge code identifier.<br>DS03.CC_ID   | string, maxLength: 50<br>MB.FC.4.2.82, MB.WC.1.4.1,<br>MB.WC.1.8.1, SC.CMCS.1.4.1 |
| CC_description |       | Charge code description.<br>DS03.CC_description   | string, maxLength: 3000<br>Payroll & Benefits Accounting,<br>Workforce Planning   |
| revision       |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release.<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |   |

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|--|-------|---|--|
|  |       | unique field identifier (primary & calculated)  | example  |
| DS04 schedule  |       |   |  |
| description  |       |   |  |
| This data set should be populated with the project's contractor BL and FC IMS tool data for the entire span of the project (not the contract). Provide the contractor BL and FC IMS tool data by task. There should be alignment between the BL and FC IMSs. |       |   |  |
| <b><u>schedule_type</u></b>  | X     | <p>Schedule type selection:</p> <ul style="list-style-type: none"> <li>• BL = baseline</li> <li>• FC = forecast</li> </ul> <p>The data should be scheduled by the schedule tool.</p> <p>DS04.schedule_type</p> <p>CPP-1.schedule_type = prior CPP_status_date</p>   | string, select from: BL, FC  |
| <b><u>task_ID</u></b>  | X     | <p>Task identifier.</p> <p>DS04.task_ID</p> <p>CPP-1.DS04.task_ID = prior CPP_status_date</p>   | <p>string, maxLength: 50</p> <p>AHBL1190, TASK-1, TASK-2, TASK-3</p> |
| <b><u>type</u></b>   | X     | <p>Task type selection:</p> <ul style="list-style-type: none"> <li>• TD = task dependent. Task is scheduled using its task calendar.</li> <li>• RD = resource dependent. Task is scheduled using its resource calendar(s).</li> <li>• LOE = level of effort. Task duration by its dependent tasks. Used for administration type tasks. Use should be limited. Likely DS04.EVT = A (level of effort) but could be different. Should have a start-to-start and a finish-to-finish predecessor relationship to a discrete tasks(s).</li> <li>• SM = start milestone. Tasks with 0 duration and no resources.</li> <li>• FM = finish milestone. Task with 0 duration and no resources.</li> <li>• WS = WBS summary. Task of aggregated tasks with common DS04.WBS_ID. Use should be limited.</li> </ul> <p>DS04.type</p> <p>CPP-1.DS04.type = prior CPP_status_date</p> | string, select from: TD, RD, LOE, SM, FM, WS                         |
| <b><u>description</u></b>  | X     | <p>Unique task description.</p> <p>Should be descriptive with a verb.</p> <p>DS04.description</p>   | string, maxLength: 255   |
| <b><u>subtype</u></b>  |       | <p>Task subtype selection:</p> <ul style="list-style-type: none"> <li>• SVT = A non-PMB task for visibility/functionality to characterize potential impacts to the logic-driven network. Generally based on another project as a predecessor with a finish-to-start relationship. Generally constrained based on programmatic schedule with DS04.constraint_type = CS.MSOA or DS04.constraint_type = CS.MEOA but may be a hard constraint; DS04.constraint_type = M; not resource loaded.</li> <li>• ZBA = zero budget activity. For subK payment tasks. Used on a limited basis; not resource loaded. Align with DS04.milestone_level = 8xx.</li> </ul> <p>DS04.subtype</p>  | string, select from: SVT, ZBA  |

# DOE CPP Upload Requirements including DID



| field name                         | req'd | description   | JSON data type  |
|------------------------------------|-------|---|---|
|                                    |       | unique field identifier (primary & calculated)  | example   |
| <b>milestone_level</b>             |       | <p>Milestone level selection for tasks that identify key milestones, deliverables, and control point dates (DS04.type = SM or FM).<br/>Milestone level should align with DS04.constraint_type as appropriate.</p> <ul style="list-style-type: none"> <li>• 1xx = DOE O 413.3B milestones. All 1xx are considered DS04.task_subtype = SVT, unless otherwise noted. Required milestones: All DOE Order 413.3B milestones and milestones 100, 175, 180, 190, 195, 199.</li> <li>• 100 = approve start project</li> <li>• 110 = approve CD-0</li> <li>• 111 = approve CD-0R-01</li> <li>• 112 = approve CD-0R-02</li> <li>• 120 = approve CD-1</li> <li>• 121 = approve CD-1R-01</li> <li>• 122 = approve CD-1R-02</li> <li>• 130 = approve CD-2</li> <li>• 131 = approve BCP-01</li> <li>• 132 = approve BCP-02</li> <li>• 133 = approve BCP-03</li> <li>• 134 = approve BCP-04</li> <li>• 135 = approve BCP-05</li> <li>• 138 = approve reprogramming (not SVT) (Specify if OTB and/or OTS in DS04.milestone_level_description)</li> <li>• 139 = approve replan (not SVT)</li> <li>• 140 = approve CD-3A</li> <li>• 141 = approve CD-3B</li> <li>• 142 = approve CD-3C</li> <li>• 143 = approve CD-3D</li> <li>• 144 = approve CD-3E</li> <li>• 145 = approve CD-3F</li> <li>• 150 = approve CD-3</li> <li>• 160 = approve CD-4A</li> <li>• 161 = approve CD-4B</li> <li>• 162 = approve CD-4C</li> <li>• 163 = approve CD-4D</li> <li>• 164 = approve CD-4E</li> <li>• 165 = approve CD-4F</li> <li>• 170 = planned/estimated completion without UB</li> <li>• 175 = End of PMB. Planned/estimated completion with UB (calculated schedule reserve should align with duration from DS04.milestone_level = 175 to DS04.milestone_level = 180; should be aligned with DS03 last BCWS for BL or last ETC for FC to achieve CD-4; this is the end of the PARS ID; not SVT)</li> <li>• 180 = contract completion (calculated schedule contingency should align with duration from DS04.milestone_level = 180 to DS04.milestone_level = 190) (Should be aligned with CBB date for BL or est CBB date for FC) (not SVT)</li> <li>• 190 = approve CD-4</li> <li>• 195 = approve closeout</li> <li>• 199 = approve finish project</li> <li>• 2xx = contract driven milestones &amp; periods of performance</li> <li>• 3xx = customer driven milestones. All 3xx are considered DS04.task_subtype = SVT.</li> <li>• 4xx = programmatic driven milestones</li> <li>• 5xx = major internal driven milestones</li> <li>• 6xx = minor internal driven milestones</li> <li>• 7xx = external driven milestones, e.g., regulatory, consent decree. All 7xx are considered DS04.task_subtype = SVT.</li> <li>• 8xx = subK alignment milestones; align with DS13.task.</li> </ul> <p>DS04.milestone_level</p> | integer, min. value: 100, max. value: 999<br>100, 110, 195                                |
| <b>milestone_level_description</b> |       | <p>Milestone level description.<br/>Should align with DS04.milestone_level.<br/>Should be descriptive with a verb.</p> <p>DS04.milestone_level_description</p>  | string, maxLength: 50   |
| <b>WBS_ID</b>                      | X     | <p>WP or PP or SLPP WBS identifier. Explain in DS04.justification_WBS if DS01.type is not WP, PP or SLPP.</p> <p>DS04.WBS_ID</p>  | string, maxLength: 50   |
| <b>justification_WBS</b>           |       | <p>Justification narrative for WBS identifier is not WP or PP or SLPP WBS.<br/>Not required if no justification narrative for WBS identifier is not WP or PP or SLPP WBS.</p> <p>DS04.justification_WBS</p>   | string  |
| <b>CAM</b>                         |       | <p>CAM selection:<br/>• CAM name for DS01.type = CA, WP, PP.<br/>• Project manager name for DS01.type = SLPP.<br/>• Project or appropriate manager name for DS01.type = WBS<br/>Format: [last name] space [first name] space [middle initial, optional].<br/>Should align with DS01.CAM.</p> <p>DS04.CAM</p>  | string, maxLength: 100<br>Whitney Zachary B, Burks Deanna A, Simon Ayaya S, Moses Kendall |



# DOE CPP Upload Requirements including DID



| field name               | req'd | description   | JSON data type   |
|--------------------------|-------|---|--|
|                          |       | unique field identifier (primary & calculated)  | example  |
| EVT                      |       | <p>EVT selection that should be aligned with DS03.EVT (explanations should go in DS04.justification_EVT):</p> <ul style="list-style-type: none"> <li>A = LOE. Should have a start-to-start and a finish-to-finish predecessor relationship to a discrete task(s).</li> <li>B = weighted milestones (explain if utilized)</li> <li>C = percent complete or for use in DS03, discrete (combination of discrete DS03.EVT excluding A, J, K, M, or NA)</li> <li>D = units complete</li> <li>E = 50-50</li> <li>F = 0-100</li> <li>G = 100-0 (explain if utilized)</li> <li>H = variation of 50-50 (explain if utilized)</li> <li>J = apportioned (explain if utilized). Should have a start-to-start and a finish-to-finish predecessor relationship to a discrete task(s).</li> <li>K = planning package (overrides where DS01.type = PP or SLPP)</li> <li>L = assignment percent complete (explain if utilized)</li> <li>M = calculated apportionment (explain if utilized). Should have a start-to-start and a finish-to-finish predecessor relationship to a discrete task(s).</li> <li>N = steps (explain if utilized)</li> <li>O = earned as spent (explain if utilized)</li> <li>P = percent manual entry (explain if utilized)</li> </ul> <p>Discrete EVTs for metrics consists of B, C, D, E, F, G, H, L, N, O, P.</p> <p>DS04.EVT</p> | string, select from: A, B, C, D, E, F, G, H, J, K, L, M, N, O, P                     |
| justification_EVT        |       | <p>Justification narrative where DS04.EVT = B, G, H, J, L, M, N, O, or P.</p> <p>DS04.justification_EVT</p>   | string   |
| EVT_J_to_task_ID         |       | <p>task_ID apportioned to, if DS04.EVT = J.</p> <p>DS04.EVT_J_to_task_ID</p>  | string   |
| EVT_J_pct                |       | <p>Percent apportioned, if apportioned from another DS04.task_ID.</p> <p>DS04.EVT_J_pct</p>   | number, max. of 2 decimal places   |
| ES_date                  | X     | <p>Early start date.</p> <p>DS04.ES_date</p> <p>DS04.ES_date_DS03 = aligned to DS03 period date</p>   | <p>string, must be date as YYYY-MM-DD</p> <p>2020-01-01, 2019-02-026, 2020-10-14</p> |
| EF_date                  | X     | <p>Early finish date.</p> <p>DS04.EF_date</p> <p>DS04.EF_date_DS03 = aligned to DS03 period date</p>  | <p>string, must be date as YYYY-MM-DD</p> <p>2020-01-01, 2019-02-026, 2020-10-14</p> |
| LS_date                  | X     | <p>Late start date.</p> <p>DS04.LS_date</p>   | <p>string, must be date as YYYY-MM-DD</p> <p>2020-01-01, 2019-02-026, 2020-10-14</p> |
| LF_date                  | X     | <p>Late finish date.</p> <p>DS04.LF_date</p>  | <p>string, must be date as YYYY-MM-DD</p> <p>2020-01-01, 2019-02-026, 2020-10-14</p> |
| AS_date                  |       | <p>Actual start date.</p> <p>DS04.AS_date</p> <p>CPP-1.DS04.AS_date = prior CPP_status_date</p>   | <p>string, must be date as YYYY-MM-DD</p> <p>2020-01-01, 2019-02-026, 2020-10-14</p> |
| AF_date                  |       | <p>Actual finish date.</p> <p>DS04.AF_date</p> <p>CPP-1.DS04.AF_date = prior CPP_status_date</p>  | <p>string, must be date as YYYY-MM-DD</p> <p>2020-01-01, 2019-02-026, 2020-10-14</p> |
| duration_original_days   | X     | <p>Original duration (work days).</p> <p>DS04.duration_original_days</p>  | number, max. of 2 decimal places   |
| duration_remaining_days  | X     | <p>Remaining duration (work days).</p> <p>DS04.duration_remaining_days</p>  | number   |
| duration_actual_days     | X     | <p>Actual duration (work days).</p> <p>DS04.duration_actual_days</p>  | number, max. of 2 decimal places   |
| float_free_days          | X     | <p>Free float (work days).</p> <p>DS04.float_free_days</p>  | number, max. of 2 decimal places   |
| float_total_days         | X     | <p>Total float (work days).</p> <p>DS04.float_total_days</p>  | number, max. of 2 decimal places   |
| justification_float_high |       | <p>Justification narrative for high float, DS04.float_total_days.</p> <p>DS04.justification_float_high</p>  | string   |

# DOE CPP Upload Requirements including DID



| field name                         | req'd | description<br>unique field identifier (primary & calculated)  | JSON data type<br>example   |
|------------------------------------|-------|--|---|
| justification_lag                  |       | Justification narrative for lag relation with predecessor, DS05.lag_days <> 0.<br>DS04.justification_lag   | string  |
| driving_path                       | X     | Task is on the longest path or on the driving path (Y or N).<br>DS04.driving_path  | string, select from: Y, N   |
| RMT_ID                             |       | Align with only one DS15.risk_ID.<br>Provide if an RMT.<br>DS04.RMT_ID   | string, maxLength: 50   |
| PC_type                            | X     | % complete type selection (% complete used to calculate BCWP):<br>• duration (utilized when DS04.type = LOE or DS04.EVT = A)<br>• physical (utilized when DS04.type <> LOE, and DS04.EVT <> A)<br>• units (utilized when DS06.EOC = material)<br>DS04.PC_type  | string, select from: duration, physical, units  |
| PC_duration                        | X     | Duration % complete.<br>If % complete = 100%, 1.00.<br>If 99% <= % complete < 100%, 0.99 (truncate remainder).<br>If 0 < % complete < 99%, round to 2 digits.<br>If 0 = % complete, 0.00.<br>DS04.PC_duration  | number, max. of 2 decimal places, min. value: 0, max. value: 1  |
| PC_physical                        | X     | Physical % complete.<br>If % complete = 100%, 1.00.<br>If 99% <= % complete < 100%, 0.99 (truncate remainder).<br>If 0 < % complete < 99%, round to 2 digits.<br>If 0 = % complete, 0.00.<br>Utilize if DS04.type = TD or RD.<br>DS04.PC_physical  | number, max. of 2 decimal places, min. value: 0, max. value: 1  |
| PC_units                           | X     | Units % complete.<br>If % complete = 100%, 1.00.<br>If 99% <= % complete < 100%, 0.99 (truncate remainder).<br>If 0 < % complete < 99%, round to 2 digits.<br>If 0 = % complete, 0.00.<br>Utilize if DS04.type = TD or RD and DS06.EOC = material.<br>DS04.PC_units  | number, max. of 2 decimal places, min. value: 0, max. value: 1  |
| constraint_type                    |       | Start primary constraint type selection:<br>• CS_ASAP = as soon as possible (not considered a soft or hard constraint)<br>• CS_MANDSTART = mandatory start (considered hard constraint)<br>• CS_MSO = must start on (considered hard constraint)<br>• CS_MSOA = must start on or after (considered soft constraint)<br>• CS_MSOB = must start on or before (considered hard constraint)<br>Finish primary constraint type selection:<br>• CS_ALAP = as late as possible (not considered a soft or hard constraint)<br>• CS_MANDFIN = mandatory finish (considered hard constraint)<br>• CS_MEO = must finish on (considered hard constraint)<br>• CS_MEOA = must finish on or after (considered soft constraint)<br>• CS_MEOB = must finish on or before (considered hard constraint)<br>Provide hard constraint justification in DS04.justification_constraint_hard.<br>Provide soft constraint justification in DS04.justification_constraint_soft.<br>Identify secondary constraint in DS04.justification_constraint_secondary.<br>DS04.constraint_type | string, select from: CS_ASAP, CS_MANDSTART, CS_MSO, CS_MSOA, CS_MSOB, CS_ALAP, CS_MANDFIN, CS_MEO, CS_MEOA, CS_MEOB |
| constraint_date                    |       | Primary constraint date.<br>Not required if DS04.constraint_type = CS_ALAP or not provided.<br>DS04.constraint_date  | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14   |
| justification_constraint_hard      |       | Justification narrative for hard constraint, DS04.constraint_type.<br>DS04.justification_constraint_hard   | string  |
| justification_constraint_soft      |       | Justification narrative for soft constraint, DS04.constraint_type.<br>DS04.justification_constraint_soft   | string  |
| justification_constraint_secondary |       | Description and justification narrative for secondary start and finish constraints.<br>DS04.justification_constraint_secondary   | string  |
| HDV_CI_ID                          |       | HDV-CI identifier.<br>The data should align with DS14.HDV_CI_ID.<br>DS04.HDV_CI_ID   | string, maxLength: 50   |
| RPG                                | X     | Task is for a reprogramming effort.<br>DS04.RPG  | string, select from: Y, N   |
| calendar_name                      |       | Calendar name for task.<br>Align with DS19.calendar_name and DS20.calendar_name.<br>Required unless task is an SVT.<br>DS04.calendar_name  | string, maxLength: 50   |

# DOE CPP Upload Requirements including DID



| field name           | req'd | description  | JSON data type         |
|----------------------|-------|--|------------------------|
|                      |       | unique field identifier (primary & calculated)   | example                |
| <u>subproject_ID</u> |       | Unique subproject identifier.<br>Tasks not in project scope should be associated with that task's primary project, not this project's primary project. This includes SVTs, tasks pre-CD-0, and tasks post DS04.milestone_level = 175.<br><br>DS04.subproject_ID  | string, maxLength: 100 |
| revision             |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |                        |

# DOE CPP Upload Requirements including DID



| field name                 | req'd | description   | JSON data type                      |
|----------------------------|-------|---|-------------------------------------|
|                            |       | unique field identifier (primary & calculated)  | example                             |
| DS05 schedule_logic        |       |   |                                     |
| description                |       | This data set should be populated with the project's contractor BL and FC IMS tool task relationship data for the DS04 tasks. The contractor BL and FC IMS tool task relationship data by task and predecessor. There should be alignment between the BL and FC IMSs.   |                                     |
| <u>schedule_type</u>       | X     | Schedule type selection:<br>• BL = baseline<br>• FC = forecast<br>The data should be scheduled by the schedule tool.<br><br>DS05.schedule_type  | string, select from: BL, FC         |
| <u>task_ID</u>             | X     | Unique task identifier.<br><br>DS05.task_ID   | string, maxLength: 50               |
| <u>predecessor_task_ID</u> | X     | Task identifier of the predecessor task.<br>The data should align with DS04.task_ID.<br><br>DS05.predecessor_task_ID  | string, maxLength: 50               |
| <u>type</u>                | X     | Task relationship (task to its predecessor) selection:<br>• FS = finish to start<br>• SS = start to start<br>• SF = start to finish<br>• FF = finish to finish<br><br>DS05.type   | string, select from: FS, SS, SF, FF |
| <u>lag_days</u>            | X     | Task relationship lag (work days) based on predecessor's calendar.<br>The data is positive if lag.<br>The data is negative if lead.<br><br>DS05.lag_days  | number, max. of 2 decimal places    |
| <u>subproject_ID</u>       |       | Unique subproject identifier.<br><br>DS05.subproject_ID   | string, maxLength: 100              |
| revision                   |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release.<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |                                     |

# DOE CPP Upload Requirements including DID



| field name                 | req'd | description   | JSON data type  |
|----------------------------|-------|---|---|
|                            |       | unique field identifier (primary & calculated)  | example   |
| DS06<br>schedule_resources |       |   |   |
| description                |       | This data set should be populated with the project's contractor BL and FC IMS tool task role and resource data for the DS04 tasks.<br>Provide the contractor BL and FC IMS tool task role and/or resource data by task. There should be alignment between the BL and FC IMSs. |   |
| <u>schedule_type</u>       | X     | Schedule type selection:<br>• BL = baseline<br>• FC = forecast<br>The data should be scheduled by the schedule tool.<br>DS06.schedule_type  | string, select from: BL, FC   |
| <u>task_ID</u>             | X     | Unique task identifier.<br>DS06.task_ID   | string, maxLength: 50   |
| <u>resource_ID</u>         |       | Unique resource identifier.<br>DS06.resource_ID   | string, maxLength: 50   |
| <u>resource_name</u>       |       | Unique resource name.<br>DS06.resource_name   | string, maxLength: 100  |
| <u>role_ID</u>             |       | Unique role identifier.<br>DS06.role_ID   | string, maxLength: 50   |
| <u>role_name</u>           |       | Unique role name.<br>DS06.role_name   | string, maxLength: 100  |
| <u>type</u>                | X     | Resource type selection:<br>• labor where DS06.EOC = labor<br>• nonlabor where DS06.EOC is not labor<br>• material where DS06.EOC is not labor<br>DS06.type   | string, select from: labor, nonlabor, material                            |
| <u>EOC</u>                 | X     | EOC selection:<br>• labor<br>• material<br>• subcontract<br>• ODC<br>• indirect (may be used after coordination with PM. To consist only of indirect costs)<br>DS06.EOC   | string, select from: labor, material, subcontract, ODC, indirect          |
| <u>start_date</u>          | X     | Resource start date.<br>For FC IMS, updated resource start or started date.<br>DS06.start_date  | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| <u>finish_date</u>         | X     | Resource finish date.<br>For FC IMS, updated resource finish or finished date.<br>DS06.finish_date  | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| <u>budget_dollars</u>      | X     | Total budget (dollars) aligned with BCWS.<br>DS06.budget_dollars  | number  |
| <u>actual_dollars</u>      | X     | Total actual (dollars) aligned with BCWP.<br>DS06.actual_dollars  | number, max. of 2 decimal places  |
| <u>remaining_dollars</u>   | X     | Total remaining (dollars) aligned with ETC.<br>DS06.remaining_dollars   | number, max. of 2 decimal places  |
| <u>budget_units</u>        | X     | Total budget (units) aligned with BCWS.<br>Units of measure are specified in UOM field.<br>DS06.budget_units  | number, max. of 2 decimal places  |
| <u>actual_units</u>        | X     | Total actual (units) aligned with BCWP.<br>Units of measure are specified in UOM field.<br>Note: This represents BCWP, not ACWP.<br>DS06.actual_units   | number, max. of 2 decimal places  |
| <u>remaining_units</u>     | X     | Total remaining (units) aligned with ETC.<br>Units of measure are specified in UOM field.<br>DS06.remaining_units   | number, max. of 2 decimal places  |
| <u>UOM</u>                 | X     | Unit of measure.<br>If resource_type is labor or non-labor, it is h.<br>If it is material it is a string.<br>DS06.UOM   | string, maxLength: 20<br>h, CY, LF, tons                                  |

# DOE CPP Upload Requirements including DID



| field name           | req'd | description   | JSON data type                   |
|----------------------|-------|---|----------------------------------|
|                      |       | unique field identifier (primary & calculated)  | example                          |
| lag_remaining_days   | X     | Task relationship remaining lag (work days) based on predecessor's calendar.<br>The data is positive if lag.<br>The data is negative if lead.<br><br>DS06.lag_remaining_days  | number, max. of 2 decimal places |
| lag_planned_days     | X     | Task relationship planned lag (work days) based on predecessor's calendar.<br>The data is positive if lag.<br>The data is negative if lead.<br><br>DS06.lag_planned_days  | number, max. of 2 decimal places |
| <u>subproject_ID</u> |       | Unique subproject identifier.<br><br>DS06.subproject_ID   | string, maxLength: 50            |
| calendar_name        | X     | Calendar name for resource.<br>Align with DS19.calendar_name and DS20.calender_name.<br><br>DS06.calendar_name  | string, maxLength: 50            |
| revision             |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release.<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |                                  |

# DOE CPP Upload Requirements including DID



| field name  | req'd | description  | JSON data type  |
|---|-------|--|---|
|   |       | unique field identifier (primary & calculated)   | example: string, integer  |
| <b>DS07 IPMR_header</b>   |       |  |   |
| description   |       |  |   |
| This object should be populated with the project's contractor IPMR header data aligned with DS01 to DS06 and DS09 to DS12. Provide the contractor EVMS cost tool IPMR header data. This object contains IPMR header information so does not have an array of objects like other DS objects. |       |  |   |
| K_ID  | X     | Unique DOE contract number and, if applicable, CLIN(s).<br>DS07.K_ID   | string, maxLength: 255  |
| type  |       | Contract type selection:<br><ul style="list-style-type: none"> <li>• FFP = firm fixed price</li> <li>• FPE = fixed price escalation</li> <li>• FPI = fixed price incentive</li> <li>• CPIF = cost plus incentive fee</li> <li>• CPAF = cost plus award fee</li> <li>• CPDS = cost plus fixed fee</li> <li>• CPE = cost plus expenses</li> <li>• CPP = cost plus percentage</li> </ul> DS07.type  | string, select from: FFP, FPE, FPI, CPIF, CPAF, CPDS, CPE, CPP          |
| UB_bgt_days   | X     | UB, budget applicable to the contract effort not yet distributed to the WBS identifiers at or below the reporting level (work days).<br>DS07.UB_bgt_days   | number, max. of 2 decimal places  |
| UB_est_days   | X     | EAC for scope of work represented by the UB (work days).<br>DS07.UB_est_days   | number, max. of 2 decimal places  |
| UB_bgt_dollars  | X     | UB, budget applicable to the contract effort not yet distributed to the WBS identifiers at or below the reporting level.<br>DS07.UB_bgt_dollars  | number, max. of 2 decimal places  |
| UB_est_dollars  | X     | EAC for scope of work represented by the UB.<br>DS07.UB_est_dollars  | number, max. of 2 decimal places  |
| MR_bgt_dollars  | X     | MR excluding OTB and OTS.<br>DS07.MR_bgt_dollars   | number, max. of 2 decimal places  |
| MR_rpg_dollars  | X     | MR reprogramming adjustment factoring OTB and OTS.<br>DS07.MR_rpg_dollars  | number, max. of 2 decimal places  |
| AUW_dollars   | X     | AUW of the authorized, unpriced work for approved work scope that has not been definitized by the contracting officer. Amount is the procuring contracting officer's best estimate. Excludes fee and profit. AUW cannot be negative. For effort de-scoped and not yet reflected in the CBB.<br>DS07.AUW_dollars  | number, max. of 2 decimal places, min. value: 0                         |
| NCC_dollars   | X     | NCC on which project was reached as of the reflected reporting period. Excludes fee and profit. For an incentive contract, the definitized contract target cost. For a cost plus fixed fee or award fee contract, the estimated negotiated cost that consists only of the estimates amount for changes in the contract scope of work and not for cost change (overrun or underrun) from the original cost. Amount for changes shall not be included until definitized in the contract.<br>DS07.NCC_dollars | number, max. of 2 decimal places  |
| CBB_dollars   | X     | CBB, the NCC plus AUW.<br>DS07.CBB_dollars   | number, max. of 2 decimal places  |
| OTB_OTS_date  |       | Date last OTB or OTS was approved by DOE and implemented. Not required if no OTB or OTS.<br>DS07.OTB_OTS_date  | string, must be date as YYYY-MM-DD<br>2020-01-01,2019-02-026,2020-10-14 |

# DOE CPP Upload Requirements including DID



| field name                      | req'd | description<br>unique field identifier (primary & calculated)   | JSON data type<br>example: string, integer                     |
|---------------------------------|-------|---|--|
| TAB_dollars                     | X     | TAB, total budget value allocated to the performance of the contractual effort including MR and UB.<br>Excludes fee and profit.<br><br>DS07.TAB_dollars       | number, max. of 2 decimal places                               |
| profit_fee_dollars              |       | Target profit or fee that applies to the negotiated contract cost.<br><br>DS07.profit_fee_dollars   | number, max. of 2 decimal places                               |
| EAC_PM_best_dollars             |       | Contractor's best case EAC for the contract cost for all authorized contractual efforts.<br>Excludes fee and profit.<br><br>DS07.EAC_PM_best_dollars          | number, max. of 2 decimal places                               |
| EAC_PM_likely_dollars           | X     | Contractor's most likely case EAC for the contract cost for all authorized contractual efforts.<br>Excludes fee and profit.<br><br>DS07.EAC_PM_likely_dollars | number, max. of 2 decimal places                               |
| EAC_PM_worst_dollars            |       | Contractor's worst case EAC for the contract cost for all authorized contractual efforts.<br>Excludes fee and profit.<br><br>DS07.EAC_PM_worst_dollars        | number, max. of 2 decimal places                               |
| EAC_PM_best_date                | X     | Contractor's best case EAC date for all authorized contractual efforts.<br><br>DS07.EAC_PM_best_date  | string, must be date as YYYY-MM-DD                             |
| EAC_PM_likely_date              | X     | Contractor's most likely case EAC date for all authorized contractual efforts.<br><br>DS07.EAC_PM_likely_date   | string, must be date as YYYY-MM-DD                             |
| EAC_PM_worst_date               | X     | Contractor's worst case EAC date for all authorized contractual efforts.<br><br>DS07.EAC_PM_worst_date  | string, must be date as YYYY-MM-DD                             |
| escalation_rate_pct             | X     | Escalation rate for DS07.TAB.<br><br>DS07.escalation_rate_pct   | number, max. of 2 decimal places                               |
| QRA_CL_cost_pct                 | X     | Quantitative risk analysis confidence level for cost DS07.MR_rpg and DS07.MR_bgt.<br><br>DS07.QRA_CL_cost_pct   | number, max. of 2 decimal places, min. value: 0, max. value: 1 |
| QRA_CL_schedule_pct             | X     | Quantitative risk analysis confidence level for schedule and aligned with DS07.MR_rpg and DS07.MR_bgt.<br><br>DS07.QRA_CL_schedule_pct                        | number, max. of 2 decimal places, min. value: 0, max. value: 1 |
| threshold_cost_cum_dollar_fav   | X     | Project cost threshold (dollar) for cumulative variance analysis at CA WBS level, favorable.<br><br>DS07.threshold_cost_cum_dollar_fav                        | number, max. of 2 decimal places                               |
| threshold_cost_cum_dollar_unfav | X     | Project cost threshold (dollar) for cumulative variance analysis at CA WBS level, unfavorable.<br><br>DS07.threshold_cost_cum_dollar_unfav                    | number, max. of 2 decimal places                               |
| threshold_cost_cum_pct_fav      | X     | Project cost threshold (percent) for cumulative variance analysis CA WBS level, favorable.<br><br>DS07.threshold_cost_cum_pct_fav                             | number, max. of 2 decimal places, min. value: 0, max. value: 1 |
| threshold_cost_cum_pct_unfav    | X     | Project cost threshold (percent) for cumulative variance analysis CA WBS level, unfavorable.<br><br>DS07.threshold_cost_cum_pct_unfav                         | number, max. of 2 decimal places, min. value: 0, max. value: 1 |



# DOE CPP Upload Requirements including DID



| field name                          | req'd | description  | JSON data type   |
|-------------------------------------|-------|--|--|
|                                     |       | unique field identifier (primary & calculated)   | example: string, integer                                       |
| threshold_cost_inc_dollar_fav       | X     | Project cost threshold (dollar) for incremental variance analysis CA WBS level, favorable.<br>DS07.threshold_cost_inc_dollar_fav               | number, max. of 2 decimal places                               |
| threshold_cost_inc_dollar_unfav     | X     | Project cost threshold (dollar) for incremental variance analysis CA WBS level, unfavorable.<br>DS07.threshold_cost_inc_dollar_unfav           | number, max. of 2 decimal places                               |
| threshold_cost_inc_pct_fav          | X     | Project cost threshold (percent) for incremental variance analysis CA WBS level, favorable.<br>DS07.threshold_cost_inc_pct_fav                 | number, max. of 2 decimal places, min. value: 0, max. value: 1 |
| threshold_cost_inc_pct_unfav        | X     | Project cost threshold (percent) for incremental variance analysis CA WBS level, unfavorable.<br>DS07.threshold_cost_inc_pct_unfav             | number, max. of 2 decimal places, min. value: 0, max. value: 1 |
| threshold_cost_VAC_dollar_fav       | X     | Project cost threshold (dollar) for VAC at project level, favorable.<br>DS07.threshold_cost_VAC_dollar_fav                                     | number, max. of 2 decimal places                               |
| threshold_cost_VAC_dollar_unfav     | X     | Project cost threshold (dollar) for VAC at project level, unfavorable.<br>DS07.threshold_cost_VAC_dollar_unfav                                 | number, max. of 2 decimal places                               |
| threshold_cost_VAC_pct_fav          | X     | Project cost threshold (percent) for VAC at project level, favorable.<br>DS07.threshold_cost_VAC_pct_fav                                       | number, max. of 2 decimal places, min. value: 0, max. value: 1 |
| threshold_cost_VAC_pct_unfav        | X     | Project cost threshold (percent) for VAC at project level, unfavorable.<br>DS07.threshold_cost_VAC_pct_unfav                                   | number, max. of 2 decimal places, min. value: 0, max. value: 1 |
| threshold_schedule_cum_dollar_fav   | X     | Project schedule threshold (dollar) for cumulative variance analysis at CA WBS level, favorable.<br>DS07.threshold_schedule_cum_dollar_fav     | number, max. of 2 decimal places                               |
| threshold_schedule_cum_dollar_unfav | X     | Project schedule threshold (dollar) for cumulative variance analysis at CA WBS level, unfavorable.<br>DS07.threshold_schedule_cum_dollar_unfav | number, max. of 2 decimal places                               |
| threshold_schedule_cum_pct_fav      | X     | Project schedule threshold (percent) for cumulative variance analysis CA WBS level, favorable.<br>DS07.threshold_schedule_cum_pct_fav          | number, max. of 2 decimal places, min. value: 0, max. value: 1 |
| threshold_schedule_cum_pct_unfav    | X     | Project schedule threshold (percent) for cumulative variance analysis CA WBS level, unfavorable.<br>DS07.threshold_schedule_cum_pct_unfav      | number, max. of 2 decimal places, min. value: 0, max. value: 1 |
| threshold_schedule_inc_dollar_fav   | X     | Project schedule threshold (dollar) for incremental variance analysis CA WBS level, favorable.<br>DS07.threshold_schedule_inc_dollar_fav       | number, max. of 2 decimal places                               |
| threshold_schedule_inc_dollar_unfav | X     | Project schedule threshold (dollar) for incremental variance analysis CA WBS level, unfavorable.<br>DS07.threshold_schedule_inc_dollar_unfav   | number, max. of 2 decimal places                               |
| threshold_schedule_inc_pct_fav      | X     | Project schedule threshold (percent) for incremental variance analysis CA WBS level, favorable.<br>DS07.threshold_schedule_inc_pct_fav         | number, max. of 2 decimal places, min. value: 0, max. value: 1 |

# DOE CPP Upload Requirements including DID



| field name                       | req'd | description  | JSON data type   |
|----------------------------------|-------|--|--|
|                                  |       | unique field identifier (primary & calculated)   | example: string, integer                                       |
| threshold_schedule_inc_pct_unfav | X     | Project schedule threshold (percent) for incremental variance analysis CA WBS level, unfavorable.<br><br>DS07.threshold_schedule_inc_pct_unfav | number, max. of 2 decimal places, min. value: 0, max. value: 1 |

|          |   |
|----------|---|
| revision | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release.<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |
|----------|---|

# DOE CPP Upload Requirements including DID



| field name                        | req'd | description   | JSON data type  |
|-----------------------------------|-------|---|---|
|                                   |       | unique field identifier (primary & calculated)  | example   |
| <b>DS08 WAD</b>                   |       |   |   |
| description                       |       | This data set should be populated with the approved project's contractor WAD data for the entire span of the project (not the contract) to include from initial and all revisions. The contractor WAD data by CA and SLPP WBS level and optional by PP and WP WBS levels.   |   |
| <u>WAD_ID</u>                     | X     | Unique WAD identifier.<br>DS08.WAD_ID   | string, maxLength: 50   |
| <u>revision</u>                   |       | WAD version.<br>DS08.revision   | string, maxLength: 50   |
| <u>title</u>                      | X     | WAD title.<br>DS08.title  | string, maxLength: 255  |
| <u>WBS_ID</u>                     | X     | CA or SLPP WBS identifier.<br>DS08.WBS_ID   | string, maxLength: 50   |
| <u>WBS_ID_WP</u>                  |       | WP or PP WBS identifier.<br>DS08.WBS_ID_WP  | string  |
| <u>auth_PM_date</u>               |       | Date WAD was last signed by contractor project manager.<br>DS08.auth_PM_date  | string, maxLength: 255  |
| <u>auth_CAM_date</u>              |       | Date WAD was last signed by CAM.<br>DS08.auth_CAM_date  | string, maxLength: 255  |
| <u>auth_WPM_date</u>              |       | Date WAD was last signed by WPM.<br>DS08.auth_WPM_date  | string, maxLength: 255  |
| <u>initial_auth_date</u>          |       | Date WAD was initially signed by contractor project manager.<br>DS08.initial_auth_date  | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| <u>EVT</u>                        |       | Provide if WBS_ID_WP is provided.<br>EVT selection that should be aligned with DS03.EVT and DS04.EVT:<br><ul style="list-style-type: none"> <li>• A = LOE</li> <li>• B = weighted milestones</li> <li>• C = percent complete or for use in DS03, discrete</li> <li>• D = units complete</li> <li>• E = 50-50</li> <li>• F = 0-100</li> <li>• G = 100-0</li> <li>• H = variation of 50-50</li> <li>• J = apportioned</li> <li>• K = planning package (overrides where DS01.type = PP or SLPP)</li> <li>• L = assignment percent complete</li> <li>• M = calculated apportionment</li> <li>• N = steps</li> <li>• O = earned as spent</li> <li>• P = percent manual entry</li> </ul> Discrete EVTs for metrics consists of B, C, D, E, F, G, H, L, N, O, P.<br>DS08.EVT | string, select from: A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, NA      |
| <u>budget_labor_dollars</u>       | X     | Total budget for EOC labor (dollars).<br>DS08.budget_labor_dollars  | number, max. of 2 decimal places  |
| <u>budget_material_dollars</u>    | X     | Total budget for EOC material (dollars).<br>DS08.budget_material_dollars  | number, max. of 2 decimal places  |
| <u>budget_subcontract_dollars</u> |       | Total budget for EOC subcontract (dollars).<br>DS08.budget_subcontract_dollars  | number, max. of 2 decimal places  |
| <u>budget_ODC_dollars</u>         | X     | Total budget for EOC ODC (dollars).<br>DS08.budget_ODC_dollars  | number, max. of 2 decimal places  |
| <u>budget_indirect_dollars</u>    | X     | Total budget for EOC indirect (dollars).<br>DS08.budget_indirect_dollars  | number, max. of 2 decimal places  |
| <u>budget_labor_hours</u>         | X     | Total labor budget (hours).<br>DS08.budget_labor_hours  | number, max. of 2 decimal places  |
| <u>POP_start_date</u>             | X     | WBS POP start date, as defined by the latest approved baseline change. Not required if DS10.transaction_ID is not DB.<br>DS08.POP_start_date<br>DS08.POP_start_date [period] = aligned to DS03 period date  | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |

# DOE CPP Upload Requirements including DID



| field name      | req'd | description   | JSON data type  |
|-----------------|-------|---|---|
|                 |       | unique field identifier (primary & calculated)  | example   |
| POP_finish_date | X     | WBS POP finish date, as defined by the latest approved baseline change.<br>Not required if DS10.transaction_ID is not DB.<br><br>DS08.POP_finish_date<br><br>DS08.POP_finish_date [period] = aligned to DS03 period date  | string, must be date as YYYY-MM-DD<br><br>2020-01-01, 2019-02-026, 2020-10-14 |
| CAM             | X     | CAM who signed WAD.<br>Format: [last name] space [first name] space [middle initial, optional]<br><br>DS08.CAM  | string, maxLength: 100  |
| WPM             |       | PP or WP WBS level manager.<br>Optional if DS01.type = PP or WP.<br>Format: [last name] space [first name] space [middle initial, optional]<br><br>DS08.WPM   | string, maxLength: 100  |
| PM              | X     | Contractor project manager.<br>Format: [last name] space [first name] space [middle initial, optional]<br><br>DS08.PM   | string, maxLength: 100  |
| narrative       | X     | CA WBS scope statement (not title) encompassing all scope per WAD and aligned with DS01.narrative and DS02.narrative.<br><br>DS08.narrative   | string  |
| revision        |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release.<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |   |

# DOE CPP Upload Requirements including DID



| field name                   | req'd | description   | JSON data type  |
|------------------------------|-------|---|---|
|                              |       | unique field identifier (primary & calculated)  | example   |
| DS09 CC_log                  |       |   |   |
| description                  |       | This data set should be populated with the project's contractor project change control log data for the entire span of the project (not the contract). Provide the contractor approved project change control log data by CC_log identifier. The data should include the initial CC_log and the initial deposit at the start of the project.  |   |
| <u>CC_log_ID</u>             | X     | CC identifier.<br>DS09.CC_log_ID  | string, maxLength: 50   |
| <u>CC_log_ID_supplement</u>  |       | Supplemental CC_log_ID, e.g. revisions.<br>DS09.CC_log_ID_supplement  | string, maxLength: 50   |
| <u>CC_log_ID_original_UB</u> |       | For CCs that are approving distribution of budget from UB, this should have original CC_log_ID that approved increase of UB account through AUW or modification.<br>DS09.CC_log_ID_original_UB  | string, maxLength: 50   |
| type                         | X     | BCP type selection (per DOE EVMS glossary):<br>• Funding<br>• BCP<br>• BCR<br>DS09.type   | string, select from: BCP, BCR, Funding                                    |
| K_mod_ID                     |       | Provide when CC_log_ID is associated with a contract mod.<br>DS09.K_mod_ID  | string  |
| description                  | X     | Scope description. (Do not include unapproved changes)<br>DS09.description  | string  |
| approved_date                | X     | Approved date.<br>DS09.approved_date  | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| implementation_date          | X     | Date during which the change has been implemented within contractor systems.<br>DS09.implementation_date  | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| dollars_delta                |       | Total increase or decrease in CA WBS budgeted dollars authorized by the change request.<br>DS09.dollars_delta   | number, max. of 2 decimal places  |
| hours_delta                  |       | Total increase or decrease in CA WBS budgeted number of hours authorized by the change request.<br>DS09.hours_delta   | number, max. of 2 decimal places  |
| PM                           |       | Contractor project manager.<br>Format: [last name] space [first name] space [middle initial, optional]<br>DS09.PM   | string, maxLength: 100  |
| risk_ID                      |       | List of risk_IDs addressed by CC_log_ID.<br>Aligns with DS15.risk_ID.<br>If multiple identifiers, separate with semicolons.<br>DS09.risk_ID   | string, maxLength: 100  |
| revision                     |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release.<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |   |

# DOE CPP Upload Requirements including DID



| field name            | req'd | description  | JSON data type   |
|-----------------------|-------|--|--|
|                       |       | unique field identifier (primary & calculated)   | example  |
| DS10 CC_log_detail    |       |  |  |
| description           |       | This data set should be populated with the project's contractor project change control log transaction data for DS09. Provide the contractor approved project change control log transaction data by CC_log identifier. The data should consist of CC_logs, each resulting in zero-sum of dollars that are moved between the transaction categories, unless new budget is added to the CBB.  |  |
| <u>transaction_ID</u> | X     | Unique transaction identifier.<br>DS10.transaction_ID  | string, maxLength: 50  |
| category              | X     | Transaction category selection:<br>• CNT = DOE contingency<br>• DB = distributed budget (should also be identified by the CA WBS)<br>• UB = undistributed budget account<br>• MR = management reserve account<br>• OTB = over-target baseline only<br>• OTS = over-target schedule only<br>• OTB-OTS = OTB and OTS<br>• funding<br>• profit-fee<br>DS10.category   | string, select from: CNT, DB, UB, MR, OTB, OTS, OTB-OTS, funding, profit-fee |
| <u>CC_log_ID</u>      | X     | CC identifier.<br>DS10.CC_log_ID   | string, maxLength: 50  |
| description           |       | Transaction summary information.<br>DS10.description   | string   |
| WBS_ID                |       | WBS identifier.<br>Project level required for UB, MR, CNT.<br>CA or lower level required if transaction type is DB.<br>DS10.WBS_ID   | string, maxLength: 50  |
| dollars_delta         |       | CC_log impact (dollars) that changes the balance.<br>DS10.dollars_delta<br>CPP-1,2.DS10.dollars_delta = prior 1st,2nd CPP_status_date  | number, max. of 2 decimal places, min. value: 0                              |
| hours_delta           |       | CC_log impact (hours) that changes the balance.<br>DS10.hours_delta  | number, max. of 2 decimal places, min. value: 0                              |
| AUW                   | X     | Transaction is for AUW.<br>DS10.AUW  | string, select from: Y, N  |
| NTE_dollars_delta     |       | NTE for DS10.AUW_dollars<br>DS10.NTE_dollars_delta   | number, max. of 2 decimal places   |
| POP_start_date        |       | CA or WP WBS POP start date, only if modified.<br>DS10.POP_start_date  | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14    |
| POP_finish_date       |       | CA or WP WBS POP finish date, only if modified.<br>DS10.POP_finish_date  | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14    |
| revision              |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |  |

# DOE CPP Upload Requirements including DID



| field name                        | req'd | description  | JSON data type  |
|-----------------------------------|-------|--|---|
|                                   |       | unique field identifier (primary & calculated)   | example   |
| DS11 variance                     |       |  |   |
| description                       |       | This data set should be populated with the project's contractor variance data. Provide the contractor variance data by WBS identifier; for project, use the project level WBS identifier.  |   |
| <b>WBS_ID</b>                     | X     | WBS identifier.<br>DS11.WBS_ID   | string, maxLength: 50   |
| <b>narrative_type</b>             |       | Narrative type selection:<br><ul style="list-style-type: none"> <li>• 100 PRJ = project level summary</li> <li>• 110 RPG = project level formal reprogramming analysis</li> <li>• 120 VAC = project level VAC analysis</li> <li>• 130 EAC = project level EAC analysis</li> <li>• 140 UB = project level UB analysis</li> <li>• 150 MR = project level MR analysis</li> <li>• 160 IMS = project level IMS discussion</li> <li>• 170 F3 = project level IPMR F3 discussion</li> <li>• 180 F4 = project level IPMR F4 discussion</li> <li>• 200 SLPP = summary level planning package (The data should not have SV or CV.)</li> <li>• 300 CA = control account</li> <li>• 400 PP = planning package (The data should not have SV or CV.)</li> <li>• 500 WP = work package</li> </ul> DS11.narrative_type | string, select from: 100, 110, 120, 130, 140, 150, 160, 170, 200, 300, 400, 500 |
| <b>narrative_overall</b>          |       | Overall narrative.<br>Provide if DS11.narrative_type <200<br>DS11.narrative_overall  | string  |
| <b>narrative_RC_SVi</b>           |       | Root cause narrative for incremental schedule variance.<br>DS11.narrative_RC_SVi   | string  |
| <b>narrative_RC_CVi</b>           |       | Root cause narrative for incremental cost variance.<br>DS11.narrative_RC_CVi   | string  |
| <b>narrative_RC_SVc</b>           |       | Root cause narrative for cumulative schedule variance.<br>DS11.narrative_RC_SVc  | string  |
| <b>narrative_RC_CVc</b>           |       | Root cause narrative for cumulative cost variance.<br>DS11.narrative_RC_CVc  | string  |
| <b>narrative_impact_technical</b> |       | Impact narrative for technical variance.<br>DS11.narrative_impact_technical  | string  |
| <b>narrative_impact_schedule</b>  |       | Impact narrative for schedule variance.<br>DS11.narrative_impact_schedule  | string  |
| <b>narrative_impact_cost</b>      |       | Impact narrative for cost variance.<br>DS11.narrative_impact_cost  | string  |
| <b>CAL_ID</b>                     |       | Unique corrective action log identifier(s).<br>If multiple identifiers, separate with semicolons.<br>DS11.CAL_ID   | string  |
| <b>approved_date</b>              |       | Approved date by CAM.<br>DS11.approved_date  | string, must be date as YYYY-MM-DD  |
| <b>revision</b>                   |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release.   |   |

# DOE CPP Upload Requirements including DID



| field name                | req'd | description  | JSON data type  |
|---------------------------|-------|--|---|
|                           |       | unique field identifier (primary & calculated)   | example   |
| DS12 variance_CAL         |       |  |   |
| description               |       | This data set should be populated with the project's contractor corrective action data for DS11.<br>Provide the contractor corrective action data by corrective action identifier. The data should validate that corrective actions for variances are addressed, monitored, and mitigated.<br>The data may be limited to the corrective actions that are open or closed within the current reporting period, based on coordination with DOE.   |   |
| <b>CAL_ID</b>             | X     | Corrective action log identifier.<br><br>DS12.CAL_ID   | string  |
| <b>transaction_ID</b>     |       | Unique transaction identifier.<br><br>DS12.transaction_ID  | string, maxLength: 50   |
| <b>narrative_schedule</b> |       | Corrective action narrative for cumulative schedule variance.<br><br>DS12.narrative_schedule   | string  |
| <b>narrative_cost</b>     |       | Corrective action narrative for cumulative cost variance.<br><br>DS12.narrative_cost   | string  |
| <b>POC</b>                | X     | Name of the person responsible for closing corrective action.<br>Does not have to be the same as CAM.<br>Format: [last name] space [first name] space [middle initial, optional].<br><br>DS12.POC  | string, maxLength: 100  |
| <b>status</b>             | X     | Current status of corrective action Item as it exists in contractor log.<br>• open<br>• closed<br><br>DS12.status  | string, select from: open, closed   |
| <b>initial_date</b>       | X     | Date of the initial corrective action.<br><br>DS12.initial_date  | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| <b>original_due_date</b>  | X     | Original due date by which corrective action was supposed to be closed.<br><br>DS12.original_due_date  | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| <b>forecast_due_date</b>  | X     | Forecast due date that indicates expected closure date for the corrective action.<br>DS12.closed_date if closed.<br><br>DS12.forecast_due_date   | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| <b>closed_date</b>        |       | Actual date when corrective action was closed.<br><br>DS12.closed_date   | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| <b>revision</b>           |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |   |



# DOE CPP Upload Requirements including DID



| field name                        | req'd | description  | JSON data type  |
|-----------------------------------|-------|--|---|
|                                   |       | unique field identifier (primary & calculated)   | example   |
| DS13 subK                         |       |  |   |
| description                       |       | This data set should be populated with the project's subcontract work data as reported by the subcontractors to the contractor. The data should include all subcontracts that have discrete work and that have schedule or cost reporting requirements. The data should be updated as subcontracts are negotiated. The data may be limited to a single line per subcontract due to type or size of the subcontract or data availability, based on coordination with DOE. |   |
| <b>subK_ID</b>                    | X     | Unique subcontract identifier (e.g., subcontract name).<br>DS13.subK_ID  | string, maxLength: 50   |
| <b>subK_task_ID</b>               | X     | Unique task ID from subcontract schedule.<br>DS13.subK_task_ID   | string, maxLength: 50   |
| <b>task_ID</b>                    | X     | DS04.task_ID associated with subcontract work.<br>DS13.task_ID   | string, maxLength: 50   |
| <b>BCWSc_dollars</b>              |       | BCWS cumulative (dollars).<br>DS13.BCWSc_dollars   | number, max. of 2 decimal places  |
| <b>BCWPc_dollars</b>              |       | BCWP cumulative (dollars).<br>DS13.BCWPc_dollars   | number, max. of 2 decimal places  |
| <b>ACWPc_dollars</b>              |       | ACWP cumulative (dollars).<br>DS13.ACWPc_dollars   | number, max. of 2 decimal places  |
| <b>BAC_dollars</b>                |       | DB (dollars).<br>DS13.BAC_dollars  | number, max. of 2 decimal places  |
| <b>BAC_initial_dollars</b>        |       | BAC initial (dollars).<br>DS13.BAC_initial_dollars   | number, max. of 2 decimal places  |
| <b>EAC_dollars</b>                |       | EAC (dollars).<br>DS13.EAC_dollars   | number, max. of 2 decimal places  |
| <b>BL_start_date</b>              |       | Baseline start date.<br>DS13.BL_start_date   | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| <b>BL_finish_date</b>             |       | Baseline finish date.<br>DS13.BL_finish_date   | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| <b>FC_start_date</b>              |       | Forecast start date.<br>DS13.FC_start_date   | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| <b>FC_finish_date</b>             |       | Forecast finish date.<br>DS13.FC_finish_date   | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| <b>AS_date</b>                    |       | Actual start date.<br>DS13.AS_date   | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| <b>AF_date</b>                    |       | Actual finish date.<br>DS13.AF_date  | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| <b>MR_dollars</b>                 |       | MR Remaining (dollars).<br>DS13.MR_dollars   | number, max. of 2 decimal places  |
| <b>MR_initial_dollars</b>         |       | MR initial (dollars).<br>DS13.MR_initial_dollars   | number, max. of 2 decimal places  |
| <b>profit_fee_dollars</b>         |       | Profit fee remaining (dollars).<br>DS13.profit_fee_dollars   | number, max. of 2 decimal places  |
| <b>profit_fee_earned_dollars</b>  |       | Profit fee earned (dollars).<br>DS13.profit_fee_earned_dollars   | number, max. of 2 decimal places  |
| <b>profit_fee_initial_dollars</b> |       | Profit fee initial (dollars).<br>DS13.profit_fee_initial_dollars   | number, max. of 2 decimal places  |
| <b>subK_PO_ID</b>                 |       | Purchase order identifier.<br>DS13.subK_PO_ID  | string  |
| <b>flow_down</b>                  | X     | DOE Order 413.3B CRD flow down required.<br>DS13.flow_down   | string, select from: Y, N   |

# DOE CPP Upload Requirements including DID



| field name | req'd | description  | JSON data type |
|------------|-------|--|----------------|
|            |       | unique field identifier (primary & calculated)   | example        |
| revision   |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |                |

# DOE CPP Upload Requirements including DID



| field name          | req'd | description   | JSON data type        |
|---------------------|-------|---|-----------------------|
|                     |       | unique field identifier (primary & calculated)  | example               |
| DS14 HDV_CI         |       |   |                       |
| description         |       | This data set should be populated with the project's contractor HDV-CI data. Provide the contractor HDV-CI data by WBS and HDV-CI identifiers.  |                       |
| <b>HDV_CI_ID</b>    | X     | Unique HDV-CI identifier. This data should align with DS04.HDV_CI_ID.<br>DS14.HDV_CI_ID   | string, maxLength: 50 |
| <b>description</b>  | X     | HDV-CI description.<br>DS14.description   | string                |
| <b>subK_ID</b>      |       | Subcontract identifier.<br>DS14.subK_ID   | string, maxLength: 50 |
| <b>subK_PO_ID</b>   |       | Purchase order identifier.<br>DS14.subK_PO_ID   | string, maxLength: 50 |
| <b>equipment_ID</b> |       | Equipment identifier.<br>DS14.equipment_ID  | string, maxLength: 50 |
| <b>revision</b>     |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release.<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |                       |

# DOE CPP Upload Requirements including DID



| field name                   | req'd | description   | JSON data type  |
|------------------------------|-------|---|---|
|                              |       | unique field identifier (primary & calculated)  | example   |
| DS15_risk_register           |       |   |   |
| description                  |       | This data set should be populated with the project's contractor risk log for the entire span of the project (not the contract). Provide the contractor risk log by risk identifier. The data should be updated through the CPP_status_date.   |   |
| risk_ID                      | X     | Unique risk identifier.<br>DS15.risk_ID   | string, maxLength: 50   |
| revision                     |       | Current revision number for the DS15.risk_ID<br>DS15.revision   | string, maxLength: 50   |
| description                  | X     | Risk description.<br>Format: if then.<br>DS15.description   | string, maxLength: 500  |
| type                         | X     | Risk type selection:<br>• T = threat<br>• O = opportunity<br>DS15.type  | string, select from: T, O   |
| manager                      | X     | Risk manager.<br>Format: [last name] space [first name] space [middle initial, optional].<br>DS15.manager   | string, maxLength: 100  |
| owner                        | X     | Risk owner selection:<br>• federal<br>• contractor<br>DS15.owner  | string, select from: federal, contractor                                  |
| approved_date                |       | Approved date with risk handling selection.<br>DS15.approved_date   | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| realized_date                |       | Date risk realized.<br>DS15.realized_date   | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| closed_date                  |       | Risk closed date when risk is no longer actively tracked but remains on the risk log.<br>DS15.closed_date   | string, must be date as YYYY-MM-DD<br>2020-01-01, 2019-02-026, 2020-10-14 |
| probability_schedule_min_pct | X     | Risk event probability schedule min. (percent).<br>DS15.probability_schedule_min_pct  | number, max. of 2 decimal places, min. value: 0, max. value: 1            |
| probability_schedule_max_pct | X     | Risk event probability schedule max. (percent).<br>DS15.probability_schedule_max_pct  | number, max. of 2 decimal places, min. value: 0, max. value: 1            |
| probability_cost_min_pct     | X     | Risk event probability cost min. (percent).<br>DS15.probability_cost_min_pct  | number, max. of 2 decimal places, min. value: 0, max. value: 1            |
| probability_cost_max_pct     | X     | Risk event probability cost max. (percent).<br>DS15.probability_cost_max_pct  | number, max. of 2 decimal places, min. value: 0, max. value: 1            |
| risk_handling                | X     | Risk handling selections:<br>• avoid<br>• mitigate<br>• transfer<br>• accept<br>DS15.risk_handling  | string, select from: avoid, mitigate, transfer, accept                    |
| basis                        |       | Notes.<br>DS15.basis  | string  |
| revision                     |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release.<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |   |

# DOE CPP Upload Requirements including DID



| field name                         | req'd | description   | JSON data type                   |
|------------------------------------|-------|---|----------------------------------|
|                                    |       | unique field identifier (primary & calculated)  | example                          |
| DS16 risk_register_tasks           |       |   |                                  |
| description                        |       | This data set should be populated with the project's contractor risk log tasks for the entire span of the project (not the contract). Provide the contractor risk log tasks by risk identifier. The data should be updated through the CPP_status_date.   |                                  |
| <u>risk_ID</u>                     | X     | Risk identifier.<br>Align with DS15.risk_ID.<br><br>DS16.risk_ID  | string, maxLength: 50            |
| <u>risk_task_type</u>              | X     | Risk task type selections:<br>• event (risk trigger, when risk is relevant. If no event task for a risk_ID, then assume risk is relevant for the entire project.)<br>• impact<br><br>DS16.risk_task_type  | string, maxLength: 50            |
| <u>task_ID</u>                     | X     | Event or impact task identifier.<br>Aligned with DS04.task_ID and based on DS16.risk_task_type.<br><br>DS16.task_ID   | string, maxLength: 50            |
| <u>impact_schedule_min_days</u>    |       | Provide if DS16.risk_task_type = impact, schedule impact (calendar days) min.<br><br>DS16.impact_schedule_min_days  | number, max. of 2 decimal places |
| <u>impact_schedule_likely_days</u> |       | Provide if DS16.risk_task_type = impact, schedule impact (calendar days) most likely.<br><br>DS16.impact_schedule_likely_days   | number, max. of 2 decimal places |
| <u>impact_schedule_max_days</u>    |       | Provide if DS16.risk_task_type = impact, schedule impact (calendar days) max.<br><br>DS16.impact_schedule_max_days  | number, max. of 2 decimal places |
| <u>impact_cost_min_dollars</u>     |       | Provide if DS16.risk_task_type = impact, cost impact (dollars) min.<br><br>DS16.impact_cost_min_dollars   | number, max. of 2 decimal places |
| <u>impact_cost_likely_dollars</u>  |       | Provide if DS16.risk_task_type = impact, cost impact (dollars) most likely.<br><br>DS16.impact_cost_likely_dollars  | number, max. of 2 decimal places |
| <u>impact_cost_max_dollars</u>     |       | Provide if DS16.risk_task_type = impact, cost impact (dollars) max.<br><br>DS16.impact_cost_max_dollars   | number, max. of 2 decimal places |
| revision                           |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release.<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |                                  |

# DOE CPP Upload Requirements including DID



| field name                      | req'd | description   | JSON data type   |
|---------------------------------|-------|---|--|
|                                 |       | unique field identifier (primary & calculated)  | example  |
| DS17 WBS_EU                     |       |   |  |
| description                     |       | This data set should be populated with the project's contractor WBS EU data for each DS01.WBS and basis documented. Provide the contractor WBS EU data.   |  |
| <b><u>WBS_ID</u></b>            | X     | Unique contractor WP or PP WBS identifier.<br>DS17.WBS_ID   | string, maxLength: 50                                  |
| <b><u>EOC</u></b>               | X     | EOC selection:<br>• labor<br>• material<br>• subcontract<br>• ODC<br>DS17.EOC   | string, select from: labor, material, subcontract, ODC |
| <b><u>EU_min_dollars</u></b>    | X     | EU min. (dollars) work remaining.<br>DS17.EU_min_dollars  | number, max. of 2 decimal places                       |
| <b><u>EU_likely_dollars</u></b> | X     | EU most likely (dollars) work remaining.<br>DS17.EU_likely_dollars  | number, max. of 2 decimal places                       |
| <b><u>EU_max_dollars</u></b>    | X     | EU max. (dollars) work remaining.<br>DS17.EU_max_dollars  | number, max. of 2 decimal places                       |
| <b><u>time_dependent</u></b>    | X     | WBS is time-dependent (Y or N) for one or more associated tasks.<br>DS17.time_dependent   | string, select from: Y, N                              |
| <b><u>justification_EU</u></b>  |       | Basis.<br>Add justification narrative if WBS EU distribution is not triangular.<br>Not required if WBS EU distribution is triangular or WBS is completed or closed.<br>DS17.justification_EU  | string   |
| <b><u>subproject_ID</u></b>     |       | Unique subproject identifier.<br>DS17.subproject_ID   | string, maxLength: 50                                  |
| <b><u>revision</u></b>          |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release.<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |  |

# DOE CPP Upload Requirements including DID



| field name                     | req'd | description  | JSON data type              |
|--------------------------------|-------|--|-----------------------------|
|                                |       | unique field identifier (primary & calculated)   | example                     |
| DS18 schedule_EU               |       |  |                             |
| description                    |       | This data set should be populated with the project's contractor task EU data for each DS04.task_ID.<br>Provide the contractor schedule EU data.  |                             |
| <b><u>schedule_type</u></b>    | X     | Schedule type selection:<br>• BL = baseline<br>• FC = forecast<br><br>DS18.schedule_type   | string, select from: BL, FC |
| <b><u>task_ID</u></b>          | X     | Unique task identifier.<br><br>DS18.task_ID  | string, maxLength: 50       |
| <b><u>EU_min_days</u></b>      | X     | EU min. (work days) remaining.<br><br>DS18.EU_min_days   | integer                     |
| <b><u>EU_likely_days</u></b>   | X     | EU most likely (work days) work remaining.<br><br>DS18.EU_likely_days  | integer                     |
| <b><u>EU_max_days</u></b>      | X     | EU max. (work days) work remaining.<br><br>DS18.EU_max_days  | integer                     |
| <b><u>justification_EU</u></b> |       | Basis.<br>Add justification narrative if activity is incomplete and task EU distribution is not triangular.<br><br>DS18.justification_EU   | string                      |
| <b><u>subproject_ID</u></b>    |       | Unique subproject identifier.<br><br>DS18.subproject_ID  | string, maxLength: 50       |
| revision                       |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |                             |

# DOE CPP Upload Requirements including DID



| field name                    | req'd | description  |  | JSON data type |
|-------------------------------|-------|--|--|----------------|
|                               |       | unique field identifier (primary & calculated)   |  | example        |
| DS19<br>schedule_calendar_std |       |  |  |                |
| description                   |       | This data set should be populated with the project's contractor IMS tool standard work week calendar data for the entire span of the project (not the contract). Each weekday is limited to 3 shifts (A, B, and C) for breaks in between shifts, starting with shift A, half hour increments, and no overlaps. If more than 3 shifts, 3rd shift should be stretched to the last shift. There should be alignment between the BL and FC IMSS. |  |                |
| calendar_name                 | X     | Unique calendar name.<br><br>DS19.calendar_name  | string, maxLength: 50                              |                |
| hours_per_day                 | X     | Hours per day.<br><br>DS19.hours_per_day   | number, max. of 2 decimal places                   |                |
| std_01_Mon_shift_A_start_time |       | Standard work week shift_A_start time, Monday.<br><br>DS19.std_01_Mon_shift_A_start_time   | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_01_Mon_shift_A_stop_time  |       | Standard work week shift_A_stop time, Monday.<br><br>DS19.std_01_Mon_shift_A_stop_time   | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_01_Mon_shift_B_start_time |       | Standard work week shift_B_start time, Monday.<br><br>DS19.std_01_Mon_shift_B_start_time   | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_01_Mon_shift_B_stop_time  |       | Standard work week shift_B_stop time, Monday.<br><br>DS19.std_01_Mon_shift_B_stop_time   | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_01_Mon_shift_C_start_time |       | Standard work week shift_C_start time, Monday.<br><br>DS19.std_01_Mon_shift_C_start_time   | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_01_Mon_shift_C_stop_time  |       | Standard work week shift_C_stop time, Monday.<br><br>DS19.std_01_Mon_shift_C_stop_time   | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_02_Tue_shift_A_start_time |       | Standard work week shift_A_start time, Tuesday.<br><br>DS19.std_02_Tue_shift_A_start_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_02_Tue_shift_A_stop_time  |       | Standard work week shift_A_stop time, Tuesday.<br><br>DS19.std_02_Tue_shift_A_stop_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_02_Tue_shift_B_start_time |       | Standard work week shift_B_start time, Tuesday.<br><br>DS19.std_02_Tue_shift_B_start_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_02_Tue_shift_B_stop_time  |       | Standard work week shift_B_stop time, Tuesday.<br><br>DS19.std_02_Tue_shift_B_stop_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_02_Tue_shift_C_start_time |       | Standard work week shift_C_start time, Tuesday.<br><br>DS19.std_02_Tue_shift_C_start_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_02_Tue_shift_C_stop_time  |       | Standard work week shift_C_stop time, Tuesday.<br><br>DS19.std_02_Tue_shift_C_stop_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_03_Wed_shift_A_start_time |       | Standard work week shift_A_start time, Wednesday.<br><br>DS19.std_03_Wed_shift_A_start_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_03_Wed_shift_A_stop_time  |       | Standard work week shift_A_stop time, Wednesday.<br><br>DS19.std_03_Wed_shift_A_stop_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_03_Wed_shift_B_start_time |       | Standard work week shift_B_start time, Wednesday.<br><br>DS19.std_03_Wed_shift_B_start_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_03_Wed_shift_B_stop_time  |       | Standard work week shift_B_stop time, Wednesday.<br><br>DS19.std_03_Wed_shift_B_stop_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_03_Wed_shift_C_start_time |       | Standard work week shift_C_start time, Wednesday.<br><br>DS19.std_03_Wed_shift_C_start_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_03_Wed_shift_C_stop_time  |       | Standard work week shift_C_stop time, Wednesday.<br><br>DS19.std_03_Wed_shift_C_stop_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_04_Thu_shift_A_start_time |       | Standard work week shift_A_start time, Thursday.<br><br>DS19.std_04_Thu_shift_A_start_time   | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |
| std_04_Thu_shift_A_stop_time  |       | Standard work week shift_A_stop time, Thursday.<br><br>DS19.std_04_Thu_shift_A_stop_time   | string, must be time as HH:MM:SS+00:00. (ISO 8601) |                |



# DOE CPP Upload Requirements including DID



| field name                    | req'd  | description                                    | JSON data type                                     |
|-------------------------------|--|--|--|
|                               |  | unique field identifier (primary & calculated) | example  |
| std_04_Thu_shift_B_start_time | Standard work week shift_B_start time, Thursday.<br>DS19.std_04_Thu_shift_B_start_time |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_04_Thu_shift_B_stop_time  | Standard work week shift_B_stop time, Thursday.<br>DS19.std_04_Thu_shift_B_stop_time   |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_04_Thu_shift_C_start_time | Standard work week shift_C_start time, Thursday.<br>DS19.std_04_Thu_shift_C_start_time |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_04_Thu_shift_C_stop_time  | Standard work week shift_C_stop time, Thursday.<br>DS19.std_04_Thu_shift_C_stop_time   |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_05_Fri_shift_A_start_time | Standard work week shift_A_start time, Friday.<br>DS19.std_05_Fri_shift_A_start_time   |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_05_Fri_shift_A_stop_time  | Standard work week shift_A_stop time, Friday.<br>DS19.std_05_Fri_shift_A_stop_time     |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_05_Fri_shift_B_start_time | Standard work week shift_B_start time, Friday.<br>DS19.std_05_Fri_shift_B_start_time   |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_05_Fri_shift_B_stop_time  | Standard work week shift_B_stop time, Friday.<br>DS19.std_05_Fri_shift_B_stop_time     |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_05_Fri_shift_C_start_time | Standard work week shift_C_start time, Friday.<br>DS19.std_05_Fri_shift_C_start_time   |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_05_Fri_shift_C_stop_time  | Standard work week shift_C_stop time, Friday.<br>DS19.std_05_Fri_shift_C_stop_time     |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_06_Sat_shift_A_start_time | Standard work week shift_A_start time, Saturday.<br>DS19.std_06_Sat_shift_A_start_time |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_06_Sat_shift_A_stop_time  | Standard work week shift_A_stop time, Saturday.<br>DS19.std_06_Sat_shift_A_stop_time   |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_06_Sat_shift_B_start_time | Standard work week shift_B_start time, Saturday.<br>DS19.std_06_Sat_shift_B_start_time |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_06_Sat_shift_B_stop_time  | Standard work week shift_B_stop time, Saturday.<br>DS19.std_06_Sat_shift_B_stop_time   |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_06_Sat_shift_C_start_time | Standard work week shift_C_start time, Saturday.<br>DS19.std_06_Sat_shift_C_start_time |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_06_Sat_shift_C_stop_time  | Standard work week shift_C_stop time, Saturday.<br>DS19.std_06_Sat_shift_C_stop_time   |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_07_Sun_shift_A_start_time | Standard work week shift_A_start time, Sunday.<br>DS19.std_07_Sun_shift_A_start_time   |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_07_Sun_shift_A_stop_time  | Standard work week shift_A_stop time, Sunday.<br>DS19.std_07_Sun_shift_A_stop_time     |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_07_Sun_shift_B_start_time | Standard work week shift_B_start time, Sunday.<br>DS19.std_07_Sun_shift_B_start_time   |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_07_Sun_shift_B_stop_time  | Standard work week shift_B_stop time, Sunday.<br>DS19.std_07_Sun_shift_B_stop_time     |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_07_Sun_shift_C_start_time | Standard work week shift_C_start time, Sunday.<br>DS19.std_07_Sun_shift_C_start_time   |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| std_07_Sun_shift_C_stop_time  | Standard work week shift_C_stop time, Sunday.<br>DS19.std_07_Sun_shift_C_stop_time     |  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| subproject_ID                 | Unique subproject identifier.<br>DS19.subproject_ID                                    |  | string, maxLength: 50                              |

# DOE CPP Upload Requirements including DID



| field name | req'd | description  | JSON data type |
|------------|-------|--|----------------|
|            |       | unique field identifier (primary & calculated)   | example        |
| revision   |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |                |

# DOE CPP Upload Requirements including DID



| field name  | req'd | description   | JSON data type                                     |
|---|-------|---|--|
|   |       | unique field identifier (primary & calculated)  | example  |
| <b>DS20</b><br><b>schedule_calendar_exception</b> |       |   |  |
| description                                       |       | This data set should be populated with the project's contractor IMS tool calendar exception data for the entire span of the project (not the contract). Exception day is limited to 3 shifts (A, B, and C) for breaks in between shifts, starting with shift A, half hour increments, and no overlaps. If more than 3 shifts, 3rd shift should be stretched to the last shift. There should be alignment between the BL and FC IMSS.  |  |
| <b>calendar_name</b>                              | X     | Calendar name.<br>DS20.calendar_name  | string, maxLength: 50                              |
| <b>exception_date</b>                             | X     | Date of exception.<br>DS20.exception_date   | string, must be date as YYYY-MM-DD                 |
| <b>exception_work_day</b>                         | X     | Exception is a work day (Y or N).<br>If Y then all day is exception and shift times do not need to be provided.<br>If N then provide shift times.<br>DS20.exception_work_day  | string, select from: Y, N                          |
| <b>exception_shift_A_start_time</b>               |       | Exception shift_A_start time.<br>DS20.exception_shift_A_start_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| <b>exception_shift_A_stop_time</b>                |       | Exception shift_A_stop time.<br>DS20.exception_shift_A_stop_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| <b>exception_shift_B_start_time</b>               |       | Exception shift_B_start time.<br>DS20.exception_shift_B_start_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| <b>exception_shift_B_stop_time</b>                |       | Exception shift_B_stop time.<br>DS20.exception_shift_B_stop_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| <b>exception_shift_C_start_time</b>               |       | Exception shift_C_start time.<br>DS20.exception_shift_C_start_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| <b>exception_shift_C_stop_time</b>                |       | Exception shift_C_stop time.<br>DS20.exception_shift_C_stop_time  | string, must be time as HH:MM:SS+00:00. (ISO 8601) |
| <b>subproject_ID</b>                              |       | Unique subproject identifier.<br>DS20.subproject_ID   | string, maxLength: 50                              |
| <b>revision</b>                                   |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release.<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |  |

# DOE CPP Upload Requirements including DID



| field name             | req'd | description   | JSON data type   |
|------------------------|-------|---|--|
|                        |       | unique field identifier (primary & calculated)  | example  |
| DS21 rates             |       |   |  |
| description            |       | This data set should be populated with the project's contractor EVMS cost tool resource rates.<br>Provide the contractor EVMS cost tool resource rates by WP WBS level, resource identifier, and applicable FYs.<br>The data may be UCNI.   |  |
| <u>resource_ID</u>     | X     | Resource identifier.<br><br>DS21.resource_ID  | string, maxLength: 50                                  |
| <u>EOC</u>             | X     | EOC selection aligned with DS03.EOC:<br><ul style="list-style-type: none"> <li>• labor</li> <li>• material</li> <li>• subcontract</li> <li>• ODC</li> </ul><br>DS21.EOC   | string, select from: labor, material, subcontract, ODC |
| <u>burden_ID</u>       |       | Burden identifier (or overhead key) from accounting system, used to calculate indirect rate.<br><br>DS21.burden_ID  | string, maxLength: 50                                  |
| <u>type</u>            |       | Rate type:<br><ul style="list-style-type: none"> <li>• D = direct rate</li> <li>• I = indirect rate</li> </ul><br>DS21.type   | string, select from: D, I                              |
| <u>rate_start_date</u> | X     | Start date for which the rate is applicable.<br><br>DS21.rate_start_date  | string, must be date as YYYY-MM-DD                     |
| <u>rate_dollars</u>    | X     | Rate (dollars).<br><br>DS21.rate_dollars  | number, max. of 2 decimal places                       |
| revision               |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release.<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |  |

# DOE CPP Upload Requirements including DID



| field name              | req'd | description   | JSON data type                          |
|-------------------------|-------|---|---|
|                         |       | unique field identifier (primary & calculated)  | example                                 |
| DS22 financial_calendar |       |   |   |
| description             |       | This data set should be populated with the project's contractor financial tool calendar for the entire span of the project (not the contract).  |   |
| <u>calendar_name</u>    | X     | Unique calendar name.<br>DS22.calendar_name   | string, maxLength: 50                   |
| <u>period_date</u>      | X     | Time-phased period end dates.<br>The data should align with the contractor data-as-of date and the CPP_status_date.<br>The delta between sequential dates should be a month.<br>There should be no more than 12 period dates in a fiscal year.<br>DS22.period_date  | string, must be date as YYYY-MM-DD      |
| <u>period_ID</u>        | X     | Period identifier.<br>The data is >0, starting with 1 and increments by 1.<br>DS22.period_ID  | integer, min. value: 1, max. value: 600 |
| revision                |       | v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release.<br>v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.<br>v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.<br>v02.02, 2022-09-01, PARS Support, Minor revisions.<br>v02.10, 2022-10-20, PARS Support, Revisions.<br>v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.<br>v03.10, 2022-10-28, PARS Support, Revisions.<br>v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.<br>v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.<br>v05.00, 2023-08-14, PM-30, Melvin Frank, Updated for release. |   |